

Fig. B-268, C-268

Spring Hangers (Type A)

Type A is the basic unit of Fig. B-268 Anvil Variable Spring Hanger. It is designed for attachment to its supporting member by screwing a rod into a tapped hole in the top cap of the hanger the full depth of the top cap ("G" dimension). The upper jam nut should then be locked, securing the hanger. Adjustment of the hanger load is accomplished by turning the coupling on the lower hanger rod until the hanger picks up the load and the load indicator points to the desired position.

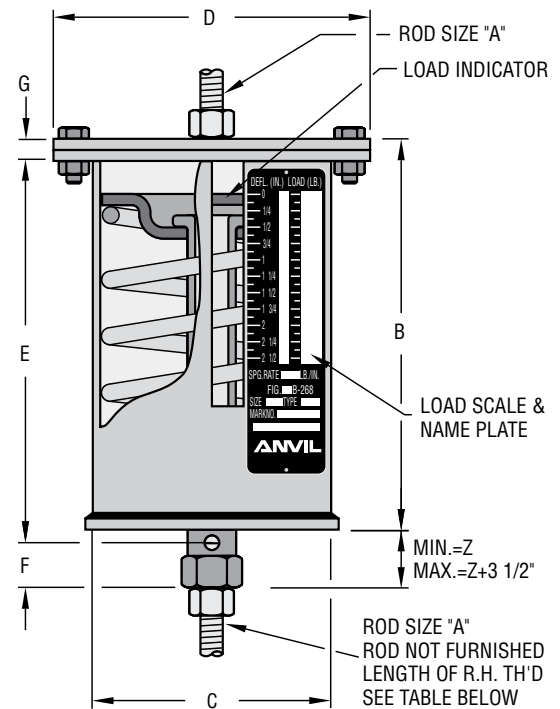


FIG. B-268, FIG. C-268 TYPE A: WEIGHT (LBS) • DIMENSIONS (IN)

| Hanger Size | Weight | Rod Size A | R.H. Thread Length | Casing Length B | Casing Diam C | Flange Diam D | Rod Take Out E | Min. Thread Engagement F | Thread Depth G | Z | | | | |
|-------------|--------|------------|--------------------|-----------------|---------------|---------------|----------------|--------------------------|----------------|---------|---------|--------|-------|--------|
| 000 | 5 | 1/2 | 5 | 5 5/8 | 4 | 5 1/8 | 5 1/16 | 1 5/16 | 7/16 | 1 3/16 | | | | |
| 00 | 6 | | | 7 9/16 | | | 7 3/8 | | | 1 3/16 | | | | |
| 0 | 8 | | | 6 11/16 | | | 6 1/16 | | | | | | | |
| 1 | 8 | 1/2 | 5 | 7 9/16 | 4 | 5 1/8 | 6 15/16 | 1 5/16 | 7/16 | 3/4 | | | | |
| 2 | 9 | | | 8 5/16 | | | 7 15/16 | | | 1 | | | | |
| 3 | 14 | | | 7 15/16 | | | 7 9/16 | | | 1 | | | | |
| 4 | 15 | 1/2 | 5 | 7 15/16 | 5 9/16 | 6 15/16 | 7 15/16 | 1 5/16 | 7/16 | 1 3/8 | | | | |
| 5 | 16 | | | 8 5/8 | | | | | | 7 15/16 | 1 1/16 | | | |
| 6 | 26 | | | 8 13/16 | | | | | | 7 13/16 | 9/16 | | | |
| 7 | 29 | 5/8 | 5 | 10 | 6 5/8 | 8 3/8 | 9 1/16 | 1 5/16 | 5/8 | 5/8 | | | | |
| 8 | 31 | | | | | | | | | | | | | |
| 9 | 65 | | | | | | | | | | | | | |
| 10 | 71 | 3/4 | 6 | 10 7/16 | 8 5/8 | 10 3/4 | 8 15/16 | 1 1/4 | 1 | 3/4 | | | | |
| 11 | 65 | | | 12 7/8 | | | 11 3/8 | | | 1 1/2 | | | | |
| 12 | 71 | | | 10 7/16 | | | 9 7/8 | | | 1 11/16 | | | | |
| 13 | 89 | 1 | 6 | 10 7/16 | 8 5/8 | 10 3/4 | 9 1/2 | 1 1/4 | 1 | 1 1/16 | | | | |
| 14 | 93 | | | 1 1/4 | | | 11 3/8 | | | 1 1/2 | | | | |
| 15 | 111 | | | 1 1/4 | | | 13 3/4 | | | 1 1/4 | 3/8 | | | |
| 16 | 133 | 1 1/2 | 7 | 13 3/4 | 8 5/8 | 10 3/4 | 11 3/8 | 1 1/4 | 1 1/4 | 3/8 | | | | |
| 17 | 162 | | | 1 3/4 | | | 16 1/16 | | | 1 3/8 | 2 1/16 | | | |
| 18 | 330 | | | 1 3/4 | | | 18 7/8 | | | 1 3/8 | 1 15/16 | | | |
| 19 | 376 | 2 | 8 | 18 3/4 | 8 5/8 | 11 3/8 | 16 | 1 5/16 | 1 1/4 | 2 9/16 | | | | |
| 20 | 480 | | | 2 1/4 | | | 20 1/2 | | | 12 3/4 | 15 7/8 | 18 3/8 | 2 3/4 | 2 1/4 |
| 21 | 556 | | | 2 1/2 | | | 23 3/4 | | | 12 3/4 | 16 7/8 | 21 5/8 | 2 3/4 | 3 1/16 |
| 22 | 705 | 3 | 10 | 27 5/16 | 12 3/4 | 16 7/8 | 23 7/8 | 3 5/8 | 2 3/4 | 3 1/16 | | | | |
| | | | | 33 3/8 | | | 29 3/4 | | | 3 | 3 3/4 | | | |

SPRING HANGERS

Fig. B-268, C-268

Spring Hangers (Type B & Type C)

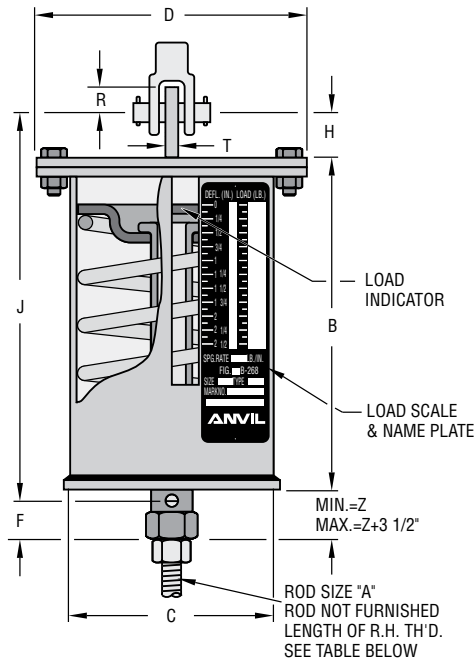


Fig. B-268 Type B

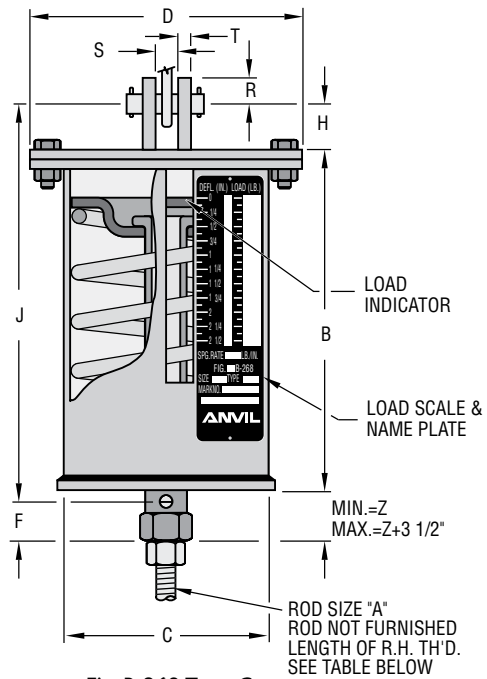


Fig. B-268 Type C

Type B is furnished with a single lug for attachment to the building structure. The lug permits use of a clevis, welded beam attachment or a pair of angles for attachment where headroom is limited.

Type C is furnished with two lugs for attachment to the building structure. These two lugs permit the use of an eye rod, Fig. 55L or a single plate for attachment where headroom is limited.

FIG. B-268, FIG. C-268 TYPE B, C: WEIGHT (LBS) • DIMENSIONS (IN)

| Hanger Size | Weight (lbs) | Rod Size A | R.H. Thread Length | Lug Hole Size | Casing Length B | Casing Diam C | Flange Diam D | Min. Thd Engagement F | Height of Pin H | Rod Take Out J | R | Clevis Opening S | Thickness T | Z |
|-------------|--------------|------------|--------------------|---------------|-----------------|---------------|---------------|-----------------------|-----------------|----------------|-------|------------------|-------------|--------|
| 000 | 5 | 1/2 | 5 | 1 1/16 | 5 5/8 | 4 | 5 5/8 | 1 5/16 | 1 1/2 | 7 | 1 1/4 | 7/8 | 1/4 | 1 3/16 |
| 00 | 6 | | | | 7 7/16 | | | | | 9 1/2 | | | | 1 3/16 |
| 0 | 8 | 1/2 | 5 | 1 1/16 | 6 11/16 | 4 | 5 5/8 | 1 5/16 | 1 1/2 | 8 | 1 1/4 | 7/8 | 1/4 | 3/4 |
| 1 | 9 | | | | 7 9/16 | | | | | 8 5/8 | | | | 1 |
| 2 | 10 | 1/2 | 5 | 1 1/16 | 8 5/16 | 5 5/16 | 6 15/16 | 1 5/16 | 1 1/2 | 9 1/8 | 1 1/4 | 7/8 | 1/4 | 1 |
| 3 | 14 | | | | 9 1/2 | | | | | 1 | | | | |
| 4 | 16 | 1/2 | 5 | 1 1/16 | 7 15/16 | 5 5/16 | 6 15/16 | 1 5/16 | 1 1/2 | 9 7/8 | 1 1/4 | 7/8 | 1/4 | 1 3/8 |
| 5 | 17 | | | | 8 5/8 | | | | | 1 1/16 | | | | |
| 6 | 27 | 5/8 | 5 | 1 3/16 | 8 13/16 | 6 5/8 | 8 3/8 | 1 5/16 | 1 1/2 | 9 15/16 | 1 1/4 | 1 1/16 | 1/4 | 9/16 |
| 7 | 30 | | | | 10 | | | | | 5/8 | | | | |
| 8 | 32 | 3/4 | 6 | 1 5/16 | 10 | 8 5/8 | 10 3/4 | 1 1/4 | 1 1/2 | 11 1/16 | 1 1/4 | 1 1/4 | 3/8 | 3/4 |
| 9 | 66 | | | | 10 7/16 | | | | | 1 1/16 | | | | 1 1/2 |
| 10 | 72 | 1 | 6 | 1 5/16 | 12 1/8 | 8 5/8 | 10 3/4 | 1 1/4 | 1 1/2 | 13 3/8 | 1 1/4 | 1 1/4 | 3/8 | 1 1/2 |
| 11 | 66 | | | | 10 7/16 | | | | | 1 1/16 | | | | 1 1/2 |
| 12 | 71 | 1 | 6 | 1 5/16 | 10 7/16 | 8 5/8 | 10 3/4 | 1 1/4 | 2 | 12 1/2 | 1 1/2 | 1 5/8 | 1/2 | 1 1/16 |
| 13 | 89 | | | | 13 3/8 | | | | | 1 1/16 | | | | 1/2 |
| 14 | 94 | 1 1/4 | 7 | 1 1/2 | 13 1/4 | 8 5/8 | 10 3/4 | 1 1/4 | 3 | 14 3/8 | 2 | 2 | 5/8 | 3/8 |
| 15 | 114 | 1 1/4 | | | 13 3/4 | | | | | 10 3/4 | | | | 15 3/8 |
| 16 | 138 | 1 1/2 | 8 | 1 3/4 | 16 1/16 | 8 5/8 | 11 3/8 | 1 15/16 | 3 | 19 3/16 | 2 1/2 | 2 3/8 | 3/4 | 2 1/16 |
| 17 | 168 | 1 3/4 | | | 2 | | | | | 18 1/8 | | | | 21 1/8 |
| 18 | 331 | 2 | 9 | 2 3/8 | 18 1/4 | 12 3/4 | 15 7/8 | 2 3/4 | 4 | 22 7/8 | 3 | 2 7/8 | 3/4 | 2 9/16 |
| 19 | 378 | 2 1/4 | | | 20 1/2 | | | | | 12 3/4 | | | | 25 |
| 20 | 486 | 2 1/2 | 10 | 2 7/8 | 23 3/4 | 12 3/4 | 16 7/8 | 3 3/8 | 4 1/2 | 28 1/4 | 4 | 3 3/8 | 1 | 3 1/16 |
| 21 | 568 | 2 3/4 | | | 27 3/16 | | | | | 16 7/8 | | | | 31 1/8 |
| 22 | 714 | 3 | 11 | 3 3/8 | 33 3/8 | 12 3/4 | 16 7/8 | 3 3/8 | 5 | 37 3/4 | 4 | 3 3/8 | 1 | 3 3/4 |

Fig. B-268, C-268

Spring Hangers (Type D & Type E)

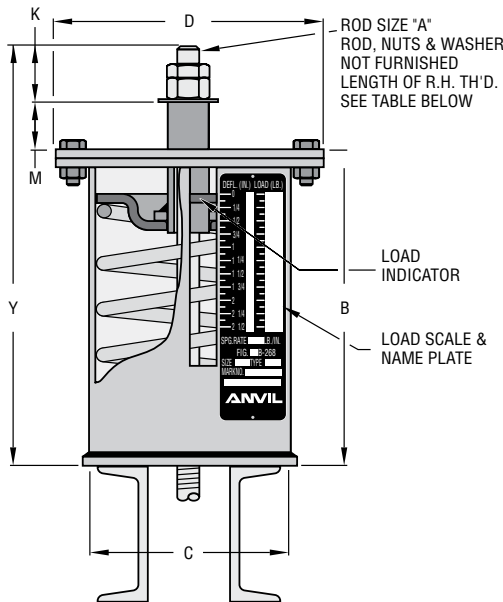


Fig. B-268 Type D

Type D permits adjustment of the hanger from the top. This type has a piece of tubing which passes through a hole in the top cap. Type D is especially adapted for use where the hanger is set above the supporting beams and pipe is suspended below.

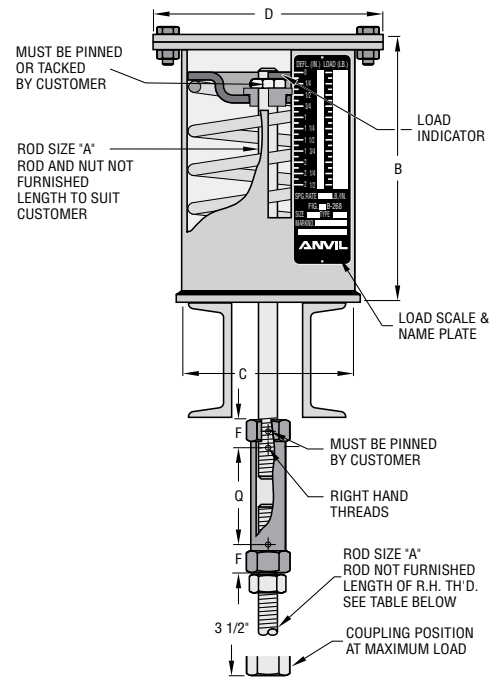


Fig. B-268 Type E

Type E is designed to permit adjustment from either above or below the hanger, when it is installed upon the supporting member and pipe is suspended below. A coupling tapped right hand both ends is furnished.

FIG. B-268, FIG. C-268 TYPE D, E: WEIGHT (LBS) • DIMENSIONS (IN)

| Hanger Size | Weight (lbs) | Rod Size A | R.H. Thd Length | Casing Length B | Casing Diam C | Flange Diam D | Min Thread Engagement F | Allowance for Nuts K | Height of Spacer M | Rod Length Y | Rod Take-out Q | | |
|-------------|--------------|------------|-----------------|-----------------|---------------|---------------|-------------------------|----------------------|--------------------|--------------|----------------|--------|--------|
| 000 | 5 | 1/2 | 5 | 5 5/8 | 4 | 5 5/8 | 1 3/16 | 1 1/4 | 3 3/8 | 10 | 6 | | |
| 00 | 6 | | | 7 9/16 | | | | | | 11 3/4 | | | |
| 0 | 6 | | | 6 11/16 | | | | | | 11 1/16 | | | |
| 1 | 7 | 1/2 | 5 | 7 9/16 | 4 | 5 5/8 | 1 5/16 | 1 1/4 | 3 3/8 | 11 15/16 | 6 | | |
| 2 | 8 | | | 8 5/16 | | | | | | 12 11/16 | | | |
| 3 | 11 | | | 7 15/16 | | | | | | 11 11/16 | | | |
| 4 | 12 | 1/2 | 5 | 8 5/8 | 5 9/16 | 6 15/16 | 1 5/16 | 1 1/4 | 3 3/8 | 12 5/16 | 6 | | |
| 5 | 14 | | | 8 3/8 | | | | | | 13 | | | |
| 6 | 22 | | | 8 9/16 | | | | | | 13 5/16 | | | |
| 7 | 25 | 5/8 | 5 | 10 | 6 5/8 | 8 3/8 | 1 5/16 | 1 1/2 | 3 | 14 1/4 | 6 | | |
| 8 | 26 | | | 14 3/4 | | | | | | | | | |
| 9 | 51 | | | 10 7/16 | | | | | | 15 5/8 | | | |
| 10 | 58 | 3/4 | 6 | 12 1/8 | 8 5/8 | 10 3/4 | 1 1/4 | 1 3/4 | 3 | 16 7/8 | 6 | | |
| 11 | 51 | | | 10 7/16 | | | | | | 14 11/16 | | | |
| 12 | 56 | | | 10 7/16 | | | | | | 15 13/16 | | | |
| 13 | 73 | 1 | 6 | 13 3/8 | 8 5/8 | 10 3/4 | 1 1/4 | 2 1/4 | 3 | 18 3/8 | 6 | | |
| 14 | 77 | | | 13 3/8 | | | | | | 19 1/4 | | | |
| 15 | 88 | | | 1 1/4 | | | | | | 7 | | 13 3/8 | 8 5/8 |
| 16 | 107 | 1 1/2 | 8 | 15 15/16 | 11 3/8 | 1 15/16 | 3 1/2 | 3 | 22 9/16 | | | | |
| 17 | 133 | 1 3/4 | 9 | 18 | | | | | 12 3/4 | 15 7/8 | 2 3/4 | 4 | |
| 18 | 262 | 2 | 10 | 18 1/4 | | | | | | | | | 12 3/4 |
| 19 | 300 | 2 1/4 | 11 | 20 1/2 | 3 5/8 | 3 3/8 | 5 | 3 | | | | | |
| 20 | 370 | 2 1/2 | 12 | 23 3/4 | | | | | 3 5/8 | 3 3/8 | 5 9/16 | 3 | |
| 21 | 455 | 2 3/4 | 13 | 27 5/16 | | | | | | | | | 3 5/8 |
| 22 | 505 | 3 | 14 | 33 3/8 | 3 5/8 | 3 3/8 | 6 5/8 | 3 | | | | | |

SPRING HANGERS

Fig. B-268, C-268

Spring Hangers (Type F)

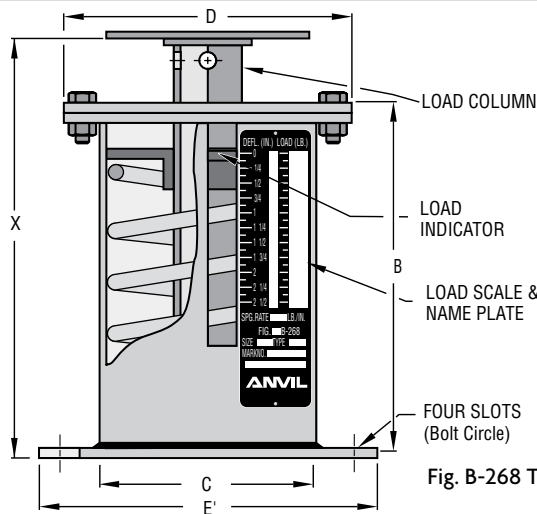


Fig. B-268 Type F

PIPE ROLL: DIMENSIONS (IN), LOAD (LBS)

| Roll Size | Roll Mat'l | Max Load | P | R | S |
|-----------|------------|----------|----|-----|----|
| 2 - 3½ | Cast Iron | 780 | 1¼ | 4½ | 4½ |
| 4 - 6 | Cast Iron | 1,900 | 2⅝ | 5⅝ | 5½ |
| 8 - 10 | Cast Iron | 4,200 | 2¾ | 8¼ | 6¾ |
| 8 - 10 | Steel | 14,000 | 2¾ | 8¼ | 6¾ |
| 12 - 14 | Cast Iron | 6,150 | 3½ | 10⅝ | 6¾ |
| 12 - 14 | Steel | 26,000 | 3½ | 12 | 6¾ |
| 16 - 20 | Cast Iron | 9,960 | 3¾ | 12 | 6¾ |
| 16 - 20 | Steel | 34,000 | 3¾ | 12 | 6¾ |
| 24 | Cast Iron | 12,200 | 4 | 13¼ | 7 |
| 24 | Steel | 60,000 | 4 | 13¼ | 10 |
| 30 | Cast Iron | 15,000 | 4½ | 16½ | 8¼ |
| 30 | Steel | 60,000 | 5 | 16½ | 10 |
| 36 | Cast Iron | 24,000 | 4⅝ | 19 | 13 |
| 36 | Steel | 60,000 | 5 | 19 | 12 |

Type F is for use under a base elbow or piping that must be supported directly from the floor. If more than ¼" of horizontal translation occurs of loads resting on the flat load flange or other flat surface junction between the type F spring hanger and the load, a double roller design pipe roll is recommended. Pipe rolls, as illustrated above, will be furnished on request. For dimension of the pipe roll, refer to Fig. 271, see page 124. Refer to Fig. 77SD for special slide base design.

Base type variable springs will be furnished with an extended load column on special order. Guided Load Columns and roller are available on request.

Adjustment to the required load rating is made by inserting a bar into holes provided in the load column and turning the column. The 2" increment between minimum and maximum "X" dimensions is the amount of field adjustment available and is in excess of the amount required for load adjustment.

FIG. B-268, FIG. C-268 TYPE F: WEIGHT (LBS) • DIMENSIONS (IN)

| Hanger Size | Weight | Casing Length B | Casing Diam C | Flange Diam D | Bottom Flange Sq. E' | Bottom Flange Bolt Circle | | Bottom Flange Bolts | Thickness Bottom Flange | Lengths - X* | | Load Col. Diam | Load Flange Diam | Thickness of Load Flange | |
|-------------|--------|-----------------|---------------|---------------|----------------------|---------------------------|-----|---------------------|-------------------------|--------------|-----|----------------|------------------|--------------------------|-----|
| | | | | | | Min | Max | | | Min | Max | | | | |
| 000 | 11 | 5⅛ | 4 | 5⅝ | 7½ | 7 | 8¾ | ⅝ | ¼ | 7⅞ | 9⅞ | 1.9 | 3⅞ | ⅜ | |
| 00 | 12 | 7⅝ | | | | | | | | 9⅞ | 11⅞ | | | | |
| 0 | 12 | 6¾ | | | | | | | | 8¼ | 10¼ | | | | |
| 1 | 14 | 7⅝ | 4 | 5⅝ | 7½ | 7 | 8¾ | ⅝ | ¼ | 9⅞ | 11⅞ | 1.9 | 3⅞ | ⅜ | |
| 2 | 15 | 8⅝ | | | | | | | | 9⅞ | 11⅞ | | | | |
| 3 | 23 | 8 | | | | | | | | 9⅞ | 11⅞ | | | | |
| 4 | 25 | 8 | 5⅞ | 6⅝ | 7½ | 7 | 8¾ | ¾ | ¼ | 10¼ | 12¼ | 2.875 | 5⅝ | ⅜ | |
| 5 | 26 | | | | | | | | | 8⅛ | 10¼ | | | | 12¼ |
| 6 | 40 | | | | | | | | | 8⅝ | 10½ | | | | 12½ |
| 7 | 46 | 10⅞ | 6⅝ | 8⅝ | 9 | 8 | 10⅞ | ¾ | ⅝ | 11⅞ | 13⅞ | 3.5 | 6⅝ | ¼ | |
| 8 | 47 | | | | | | | | | 11⅞ | 13⅞ | | | | |
| 9 | 91 | | | | | | | | | 10⅞ | 12⅞ | | | | 14⅞ |
| 10 | 98 | 12¼ | 8⅝ | 10¾ | 13¼ | 10⅞ | 16½ | ¾ | ½ | 13⅞ | 15⅞ | 4.5 | 8⅝ | ½ | |
| 11 | 90 | | | | | | | | | 10⅞ | 12⅞ | | | | 14⅞ |
| 12 | 95 | | | | | | | | | 10⅞ | 12⅞ | | | | 14⅞ |
| 13 | 115 | 13¼ | 8⅝ | 10¾ | 13¼ | 10⅞ | 16½ | ¾ | ½ | 14⅞ | 16⅞ | 4.5 | 8⅝ | ½ | |
| 14 | 119 | | | | | | | | | 14⅞ | 16⅞ | | | | |
| 15 | 130 | | | | | | | | | 13¼ | 14⅞ | | | | 16⅞ |
| 16 | 150 | 15⅝ | 8⅝ | 10¾ | 13¼ | 10⅞ | 16½ | ¾ | ½ | 17⅞ | 19⅞ | 2.0 | 8⅝ | ½ | |
| 17 | 173 | | | | | | | | | 18 | 20 | | | | 22 |
| 18 | 343 | | | | | | | | | 18¼ | 20⅞ | | | | 22⅞ |
| 19 | 380 | 20½ | 12¾ | 15⅞ | 17¼ | 15¼ | 22 | ¾ | ⅝ | 22⅞ | 24⅞ | 2.5 | 12½ | ½ | |
| 20 | 471 | | | | | | | | | 23¼ | 25⅞ | | | | 27⅞ |
| 21 | 496 | | | | | | | | | 27⅞ | 29⅞ | | | | 31⅞ |
| 22 | 654 | 33⅞ | 12¾ | 16⅞ | 17¼ | 15¼ | 22 | ¾ | ⅝ | 35½ | 37½ | 3.0 | 12½ | ½ | |
| | | | | | | | | | | | | | | | |

*Hanger take-out or installed height. With pipe movement up, cold to hot, installed height should be the mid-point between the minimum and maximum "X" dimension, plus thickness of load flange. With pipe movement down, cold to hot installed height should be mid-point between the minimum and maximum "X" dimension, plus the amount of vertical movement and load flange thickness. Note: Sizes 16" and larger are furnished with a hexagon nut at the top of a solid load column to facilitate adjustment with a wrench.

Fig. B-268, Fig. C-268

Spring Hangers (Type G)

Type G is a complete trapeze assembly. The hanger consists of two standard spring units plus a pair of back-to-back channels welded at each end to the hanger casing. The "P" dimension can be varied with the customer's instructions. In sizing a Type G hanger, it must be remembered that each standard spring unit carries one-half of the total pipe load. Therefore, in using the hanger selection chart, use one-half of the total pipe load as the hot load. When the pipe line is designed so as not to be centered on the channel, one spring of the trapeze will carry a heavier load, the other a lighter load. Care should be taken in calculating the load of each hanger and in choosing the proper sized spring in such cases. The center-to-center rod dimension must be specified when ordering.

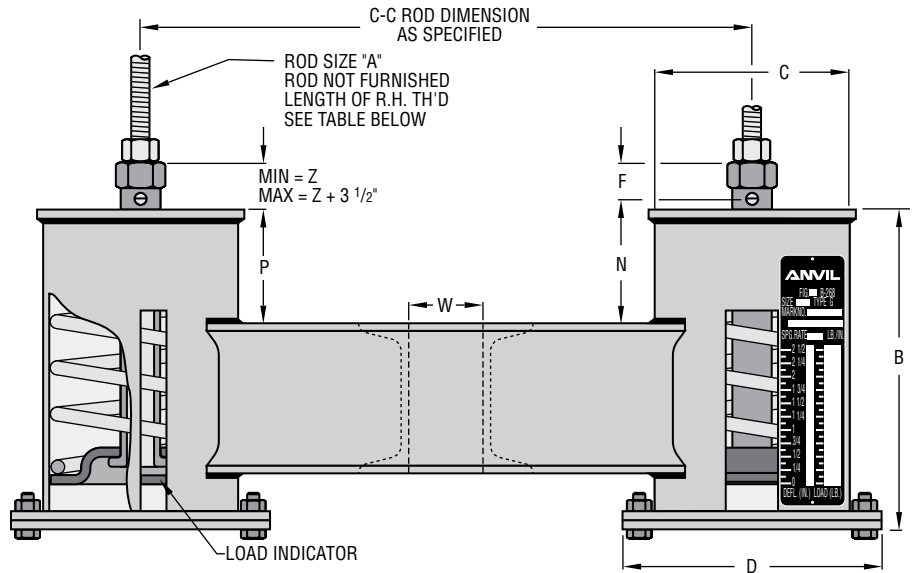


Fig. B-268 Type G

FIG. B-268, C-268 TYPE G: WEIGHT (LBS) • DIMENSIONS (IN)

| Hanger Size | Weight* | Rod Size A | R.H. Thread Length | Casing Length B | Casing Dia. C | Flange Dia. D | Min Thread Engagement F | Rod Take Out N | Channel Size (lb/ft) | Max C-C | Space Between Channels W | P | Z |
|-------------|---------|------------|--------------------|-----------------|---------------|---------------|-------------------------|----------------|----------------------|---------|--------------------------|-------|---------|
| 000 | 24 | 1/2 | 5 | 5 3/8 | 4 | 5 1/8 | 1 5/16 | 1 3/8 | C3 x 4.1 | 24 | 5/8 | 1 1/2 | 1 3/16 |
| 00 | 26 | | | 7 9/16 | | | | 1 3/4 | | | | | 1 3/16 |
| 0 | 30 | 1/2 | 5 | 6 11/16 | 4 | 5 1/8 | 1 5/16 | 1 5/16 | C3 x 4.1 | 24 | 5/8 | 1 1/2 | 3/4 |
| 1 | 31 | | | 7 9/16 | | | | 1 9/16 | | | | | 1 |
| 2 | 32 | | | 8 5/16 | | | | 2 1/16 | | | | | 1 |
| 3 | 41 | 1/2 | 5 | 7 15/16 | 5 9/16 | 6 15/16 | 1 5/16 | 2 1/16 | C3 x 4.1 | 30 | 3/4 | 2 | 1 1/8 |
| 4 | 42 | | | 2 7/16 | | | | 1 1/16 | | | | | 1 3/8 |
| 5 | 43 | | | 1 3/4 | | | | 1 1/16 | | | | | 1 1/16 |
| 6 | 63 | 5/8 | 5 | 8 13/16 | 6 5/8 | 8 3/8 | 1 5/16 | 1 5/8 | C3 x 4.1 | 36 | 1 | 2 | 9/16 |
| 7 | 69 | | | 10 | | | | 1 1 1/16 | | | | | 5/8 |
| 8 | 73 | 3/4 | 6 | 10 7/16 | 8 5/8 | 10 3/4 | 1 1/4 | 2 1/2 | C4 x 5.4 | 36 | 1 1/4 | 3 | 3/4 |
| 9 | 143 | | | 12 1/8 | | | | 3 3/4 | | | | | 1 1/2 |
| 10 | 157 | | | 10 7/16 | | | | 3 7/16 | | | | | 1 11/16 |
| 11 | 145 | 1 | 6 | 10 7/16 | 8 5/8 | 10 3/4 | 1 1/4 | 3 13/16 | C5 x 6.7 | 36 | 1 1/2 | 4 | 1 1/16 |
| 12 | 157 | | | 13 1/8 | | | | 3 3/4 | | | | | 1 1/2 |
| 13 | 195 | 1 1/4 | 7 | 13 1/4 | 8 5/8 | 10 3/4 | 1 1/4 | 3 3/8 | C6 x 10.5 | 33 | 1 1/2 | 4 | 3/8 |
| 14 | 203 | | | 13 3/4 | | | | 3 3/8 | | | | | 3/8 |
| 15 | 250 | 1 1/2 | 8 | 16 1/16 | 8 5/8 | 11 3/8 | 1 15/16 | 4 1/8 | C8 x 11.5 | 36 | 2 1/8 | 4 | 2 1/16 |
| 16 | 298 | | | 18 1/8 | | | | 4 | | | | | 1 15/16 |
| 17 | 354 | 1 3/4 | 9 | 18 1/4 | 12 3/4 | 15 7/8 | 2 3/4 | 4 | C12 x 20.7 | 42 | 2 5/8 | 4 | 2 9/16 |
| 18 | 690 | | | 20 1/2 | | | | 4 1/8 | | | | | 2 1/16 |
| 19 | 783 | 2 1/4 | 10 | 23 3/4 | 12 3/4 | 16 7/8 | 3 5/8 | 4 1/8 | C15 x 33.9 | 40 | 2 7/8 | 4 | 2 11/16 |
| 20 | 993 | | | 27 3/16 | | | | 4 5/16 | | | | | 3 1/8 |
| 21 | 1,197 | 2 3/4 | 11 | 33 3/8 | 12 3/4 | 16 7/8 | 3 5/8 | 4 3/8 | C15 x 33.9 | 48 | 3 1/8 | 4 | 3 11/16 |
| 22 | 1,496 | | | 3 | | | | 4 3/8 | | | | | 3 3/8 |

* Weight based on 24" center-to-center dimension



Fig. 82, C-82

Short Spring Hangers

Fig. 82 Type A

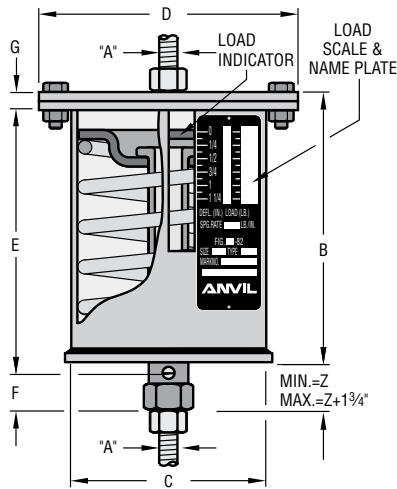


Fig. 82 Type B

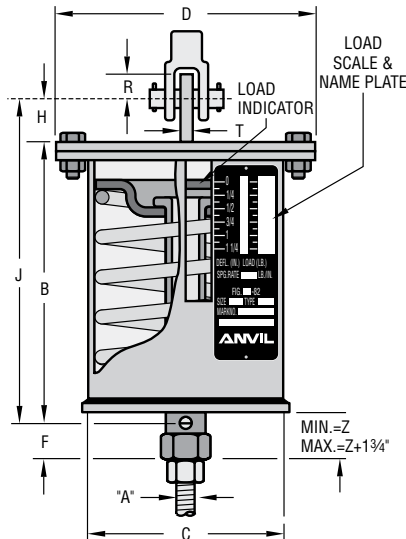


Fig. 82 Type C

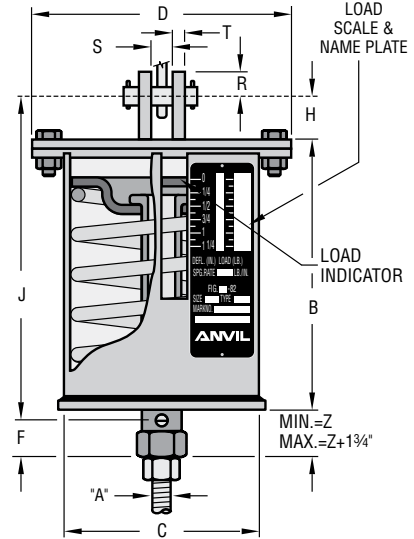


Fig. 82 Type D

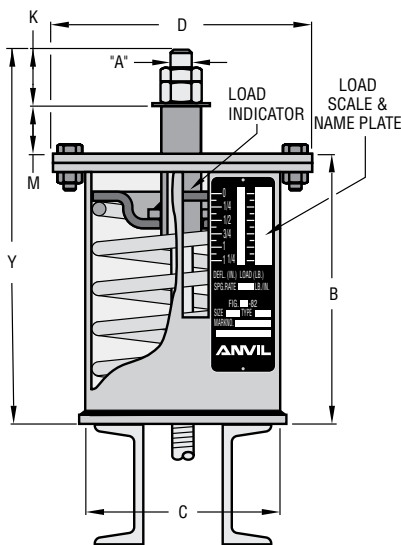


Fig. 82 Type E

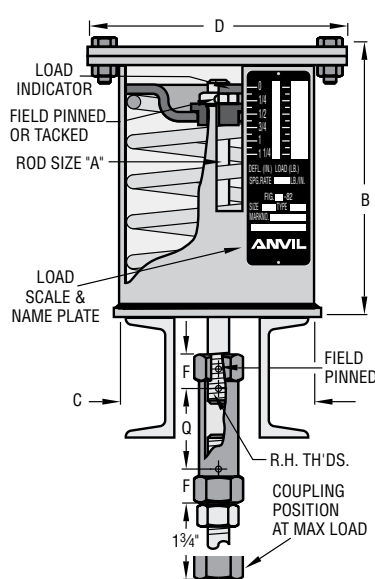


Fig. 82 Type F

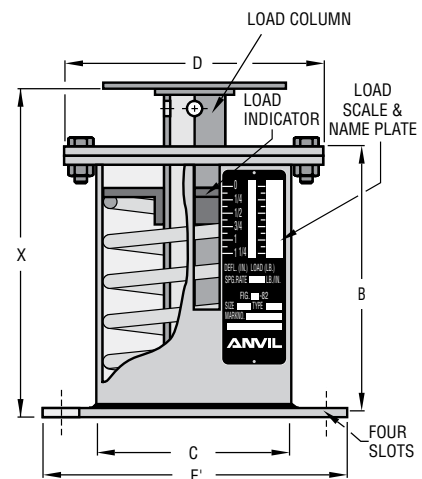
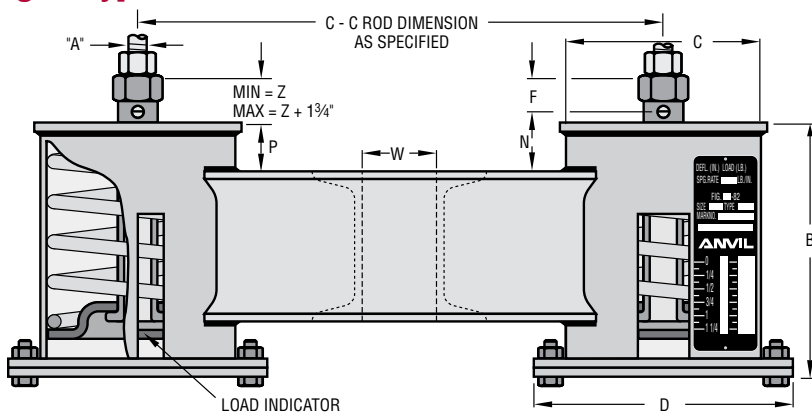


Fig. 82 Type G



The Anvil variable short spring hanger, Fig. 82, embodies all of the Fig. B-268 features and is designed to the same exacting specifications. This is useful in confined areas where thermal movement of the piping is relatively small. The minimum and maximum loads for the individual sizes of the Fig. 82 are exactly the same as those for the Fig. B-268. This hanger is offered in the seven basic types as shown here. The load table and instructions for sizing and ordering this hanger are found on page 138 through 141. Refer to Fig. 77SD for special type F slide base design.

Fig. 98, C-98

Double Spring

Fig. 98 Type A

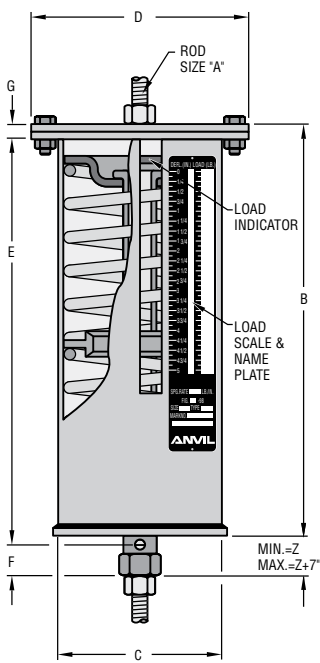


Fig. 98 Type B

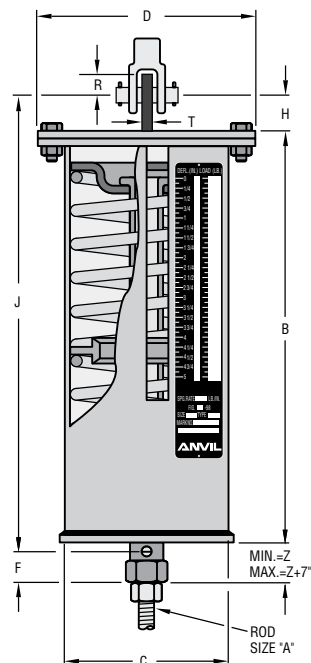


Fig. 98 Type C

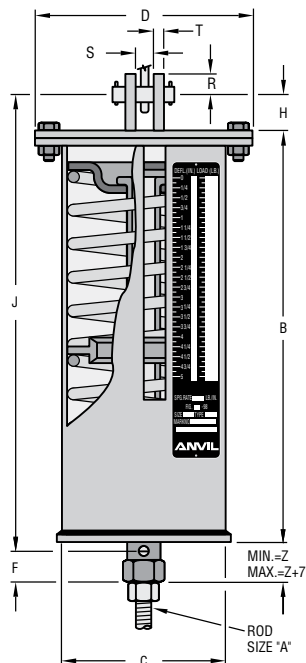


Fig. 98 Type D

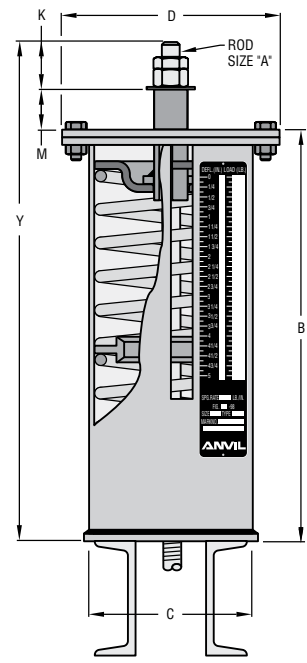


Fig. 98 Type E

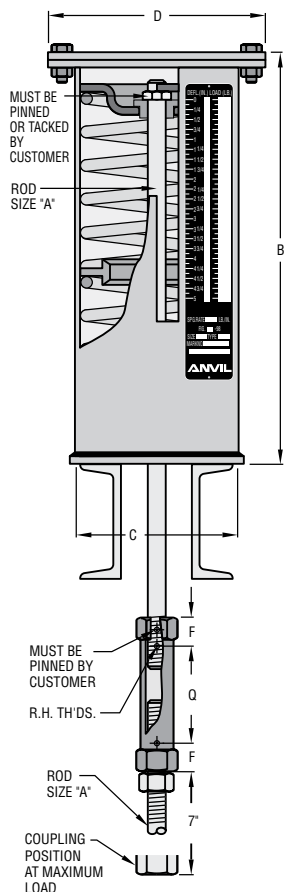


Fig. 98 Type F

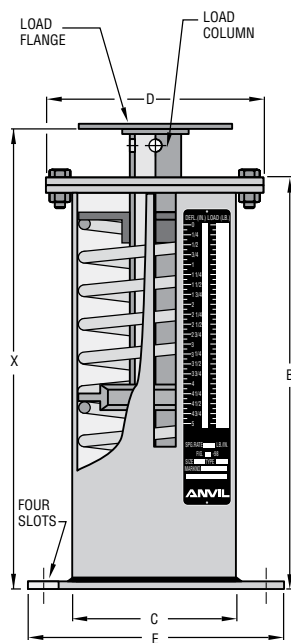
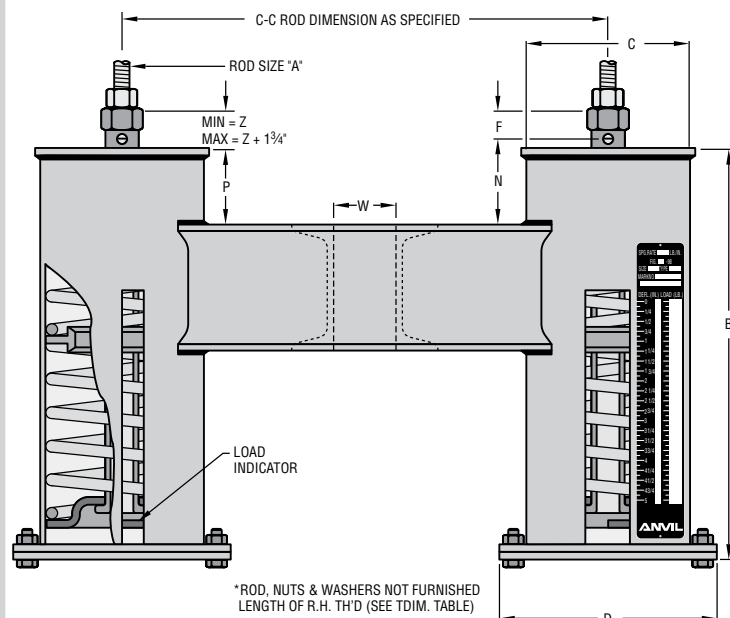


Fig. 98 Type G



The Anvil Variable Double Spring Hanger, Fig. 98, embodies all of the Fig. B-268 features and is designed to the same exacting specifications. Each basic unit consists of two springs arranged in series within a single casing. A centering guide is provided to assure the permanent alignment of the spring assembly. This hanger is offered in the seven basic types as shown here. Refer to Fig. 77SD for special type F slide base design.

The load table and instructions for sizing and ordering this hanger may be found on page 138 through 141.

SPRING HANGERS

FIG. 98, C-98 DOUBLE SPRING: WEIGHT (LBS) • DIMENSIONS (IN)

| Hanger Size | Rod Size A | R.H. Thread Length | Casing | | Flange Dia. D | Min. Thread Engage F | Z | Rod Take Out By Type | | | | Type A | Types B, C | | | | | Type D | | |
|-------------|-------------------------------|--------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|----------------------------------|----|---------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------|----------------------------------|--------------------------------|-------------------------------|
| | | | Length B | Dia. C | | | | A | B, C | E | G | Thread Depth G | Lug Hole Size | Pin Hgt H | R | Clevis Opening S | Thk. T | Rod Length Y | Nut Allow. K | Height Spacer M |
| | | | | | | | | | | | | | | | | | | | | |
| 0 | | | 12 ⁵ / ₈ | | | | 1 ⁵ / ₁₆ | 12 ³ / ₁₆ | 14 ¹ / ₈ | | 1 ¹ / ₂ | | | | | | | 19 ³ / ₈ | | |
| 1 | 1/2 | 9 | 14 ³ / ₈ | 4 | 5 ¹ / ₈ | 1 ⁵ / ₁₆ | 1 ⁵ / ₁₆ | 13 ¹⁵ / ₁₆ | 15 ⁷ / ₈ | 9 | 1 ¹ / ₂ | 7/16 | 1 ¹ / ₁₆ | 1 ¹ / ₂ | 1 ¹ / ₄ | 7/8 | 1/4 | 21 ¹ / ₈ | 1 ¹ / ₄ | 5 ¹ / ₂ |
| 2 | | | 15 ⁷ / ₈ | | | | 1 ¹ / ₁₆ | 15 ¹⁵ / ₁₆ | 17 ¹ / ₈ | | 1 ¹ / ₄ | | | | | | | 22 ¹ / ₂ | | |
| 3 | | | 14 | | | | 1 ³ / ₁₆ | 13 ⁷ / ₁₆ | 15 ³ / ₈ | | 1 ⁷ / ₈ | | | | | | | 20 ³ / ₄ | | |
| 4 | 1/2 | 9 | 15 ¹ / ₄ | 5 ⁵ / ₁₆ | 6 ¹⁵ / ₁₆ | 1 ⁵ / ₁₆ | 1 ³ / ₁₆ | 15 ³ / ₁₆ | 17 ⁷ / ₈ | 9 | 2 ³ / ₈ | 7/16 | 1 ¹ / ₁₆ | 1 ¹ / ₂ | 1 ¹ / ₄ | 7/8 | 1/4 | 22 | 1 ¹ / ₄ | 5 ¹ / ₂ |
| 5 | | | 16 ³ / ₈ | | | | 1 ¹ / ₁₆ | 15 ¹⁵ / ₁₆ | 17 ⁷ / ₈ | | 1 ³ / ₄ | | | | | | | 23 ³ / ₈ | | |
| 6 | | | 16 ¹¹ / ₁₆ | | | | 1 ³ / ₁₆ | 15 ¹⁵ / ₁₆ | 18 ¹ / ₁₆ | | 1 ⁷ / ₈ | | | | | | | 23 ¹¹ / ₁₆ | | |
| 7 | 5/8 | 9 | 18 ³ / ₈ | 6 ³ / ₈ | 8 ³ / ₈ | 1 ⁵ / ₁₆ | 1 ¹ / ₈ | 18 ³ / ₁₆ | 20 ³ / ₁₆ | 9 | 2 ³ / ₁₆ | 5/8 | 1 ³ / ₁₆ | 1 ¹ / ₂ | 1 ¹ / ₄ | 1 ¹ / ₁₆ | 1/4 | 25 ⁵ / ₈ | 1 ¹ / ₂ | 5 ¹ / ₂ |
| 8 | | | 19 ⁹ / ₁₆ | | | | 1 ¹ / ₁₆ | 18 ¹ / ₁₆ | 20 ¹³ / ₁₆ | | 1 ³ / ₄ | | | | | | | 26 ⁹ / ₁₆ | | |
| 9 | | | 20 ³ / ₁₆ | | | | 1 ⁵ / ₁₆ | 18 ⁷ / ₈ | 21 ³ / ₈ | | 2 ¹¹ / ₁₆ | | | | | | | 27 ⁷ / ₁₆ | | |
| 10 | 3/4 | 9 | 22 ⁵ / ₈ | 8 ⁵ / ₈ | 10 ³ / ₄ | 1 ¹ / ₄ | 1 | 21 ³ / ₈ | 23 ⁷ / ₈ | 9 | 2 ³ / ₄ | 1 | 1 ⁵ / ₁₆ | 1 ¹ / ₂ | 1 ¹ / ₄ | 1 ¹ / ₄ | 3/8 | 29 ⁷ / ₈ | 1 ³ / ₄ | 5 ¹ / ₂ |
| 11 | | 10 | 18 ¹ / ₄ | | | | 7/8 | 16 ⁷ / ₈ | 19 ³ / ₈ | 12 | 2 ⁵ / ₈ | | | | | | | 25 ¹ / ₂ | | |
| 12 | | | 19 ¹ / ₂ | | | | 5/8 | 17 ⁷ / ₈ | 20 ⁷ / ₈ | | 3 ³ / ₈ | | | | | | | 27 ¹ / ₄ | | |
| 13 | 1 | 10 | 24 ³ / ₄ | 8 ³ / ₈ | 10 ³ / ₄ | 1 ¹ / ₄ | 3/4 | 23 ¹ / ₄ | 26 ¹ / ₄ | 12 | 3 ¹ / ₂ | 1 | 1 ¹ / ₄ | 2 | 1 ¹ / ₂ | 1 ⁵ / ₈ | 1/2 | 32 ³ / ₈ | 2 ¹ / ₄ | 5 ¹ / ₂ |
| 14 | 1 ¹ / ₄ | | 24 ⁷ / ₈ | | | | 1/2 | 23 ³ / ₈ | 27 ¹ / ₈ | | 3 ³ / ₄ | | 1 ¹ / ₂ | 3 | 2 | 2 | 5/8 | 33 ³ / ₈ | 3 | |
| 15 | 1 ¹ / ₄ | 10 | 24 ⁷ / ₈ | | 10 ³ / ₄ | | 1/2 | 23 ³ / ₈ | 27 ¹ / ₈ | 12 | 3 ³ / ₄ | 1 | 1 ¹ / ₂ | | 2 | 2 | 5/8 | 33 ³ / ₄ | 3 | |
| 16 | 1 ¹ / ₂ | 11 | 29 ³ / ₈ | 8 ³ / ₈ | | 1 ¹⁵ / ₁₆ | 2 | 28 ⁹ / ₁₆ | 32 ¹⁵ / ₁₆ | 7 | 4 ¹ / ₁₆ | 1 ³ / ₈ | 1 ³ / ₄ | 3 | 2 ¹ / ₂ | 2 ³ / ₈ | 5/8 | 38 ⁷ / ₈ | 3 ¹ / ₂ | 5 ¹ / ₂ |
| 17 | 1 ³ / ₄ | 12 | 34 | | 11 ³ / ₈ | | 2 ¹ / ₈ | 32 ¹³ / ₁₆ | 37 ³ / ₁₆ | | 4 ³ / ₁₆ | | 2 | | 2 ¹ / ₂ | 2 ⁵ / ₈ | 3/4 | 43 ¹ / ₂ | 4 | |
| 18 | 2 | 12 | 33 ³ / ₄ | | | | 2 ¹ / ₁₆ | 31 ¹ / ₈ | 37 ³ / ₁₆ | | 4 ¹ / ₈ | | 2 ³ / ₈ | 4 | 3 | 2 ⁷ / ₈ | 3/4 | 43 ³ / ₁₆ | 4 ⁹ / ₁₆ | |
| 19 | 2 ¹ / ₄ | 13 | 37 ³ / ₄ | 12 ³ / ₄ | 15 ⁵ / ₈ | 2 ³ / ₄ | 2 ⁹ / ₁₆ | 35 ¹ / ₂ | 42 ¹ / ₈ | 7 | 4 | 2 ¹ / ₄ | 2 ⁵ / ₈ | 4 ¹ / ₂ | 3 | 3 ¹ / ₈ | 3/4 | 48 ¹ / ₈ | 5 | 5 ¹ / ₂ |
| 20 | 2 ¹ / ₂ | 14 | 44 ¹ / ₄ | | | | 2 ¹ / ₁₆ | 42 ¹ / ₈ | 48 ³ / ₄ | | 4 ¹ / ₈ | | 2 ⁷ / ₈ | | 4 | 3 ⁵ / ₈ | 1 | 55 ³ / ₁₆ | 5 ⁹ / ₁₆ | |
| 21 | 2 ³ / ₄ | 14 | 49 ³ / ₈ | 12 ³ / ₄ | 16 ⁷ / ₈ | 3 ⁵ / ₈ | 2 ¹ / ₁₆ | 45 ¹ / ₁₆ | 52 ¹ / ₁₆ | 7 | 3 ⁵ / ₁₆ | 2 ³ / ₄ | 3 ¹ / ₈ | 4 ¹ / ₂ | 4 | 3 ⁵ / ₈ | 1 | 60 ⁵ / ₈ | 6 ¹ / ₄ | 5 ¹ / ₂ |
| 22 | 3 | 15 | 62 | | | | 3 ¹ / ₂ | 58 ¹ / ₈ | 66 ¹ / ₈ | | 4 ¹ / ₈ | 3 | 3 ³ / ₈ | 5 | 4 | 3 ⁵ / ₈ | 1 | 73 ¹ / ₈ | 6 ⁵ / ₈ | |

| Hanger Size | Type F | | | | | | | | | | Type G | | | | Weight | | | | | | |
|-------------|--------------------------------|----------------------------------|--------------------------------|-------|----------------|-------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|------------|----------------------------|-------------------------------|-------------------------------|--------|---|-------|-------|-------|-------|----|
| | E' Bottom Flange | | Bottom Flange | | Load Col. Dia. | Load Flange | | Length X ■ | | Channel Size (lbs/ft) | Max C-C | Space Between Channels - W | P | Type | | | | | | | |
| | Size Sq. | Bolt Circle | Bolts | Thick | | Dia. | Thick | Min | Max | | | | | A,B,C | D,E | F | G* | | | | |
| 0 | | | | | | | | | | | | | | | | | | 12 | 12 | 20 | 37 |
| 1 | 7 ¹ / ₂ | 7 | 8 ³ / ₄ | 5/8 | 1/4 | 1.90 | 3 ⁷ / ₈ | 3 ³ / ₁₆ | 14 ³ / ₁₆ | 16 ³ / ₁₆ | C3 x 4.1 | 24 | 5/8 | 1 ¹ / ₂ | | | 14 | 14 | 21 | 41 | |
| 2 | | | | | | | | | 15 ¹⁵ / ₁₆ | 17 ¹⁵ / ₁₆ | | | | | | | 16 | 16 | 23 | 45 | |
| 3 | | | | | | | | | 17 ⁷ / ₁₆ | 19 ⁷ / ₁₆ | | | | | | | | | | | |
| 4 | 7 ¹ / ₂ | 7 | 8 ³ / ₄ | 3/4 | 1/4 | 2.88 | 5 ³ / ₄ | 3 ³ / ₁₆ | 15 ⁵ / ₈ | 17 ⁵ / ₈ | C3 x 4.1 | 30 | 3/4 | 2 | | | 22 | 21 | 35 | 55 | |
| 5 | | | | | | | | | 16 ³ / ₈ | 18 ³ / ₈ | | | | | | | 25 | 24 | 39 | 61 | |
| 6 | | | | | | | | | 18 ¹ / ₄ | 20 ¹ / ₄ | | | | | | | 27 | 26 | 41 | 65 | |
| 7 | | | | | | | | | 18 ³ / ₈ | 20 ³ / ₈ | | | | | | | 41 | 40 | 62 | 93 | |
| 8 | 9 | 8 | 10 ⁷ / ₈ | 3/4 | 3/8 | 3.50 | 6 ³ / ₈ | 1/4 | 20 ⁵ / ₁₆ | 22 ⁵ / ₁₆ | C3 x 4.1 | 36 | 1 | 2 | | | 49 | 48 | 72 | 109 | |
| 9 | | | | | | | | | 21 ¹ / ₄ | 23 ¹ / ₄ | | | | | | | 61 | 52 | 75 | 133 | |
| 10 | 13 ¹ / ₄ | 10 ¹⁵ / ₁₆ | 16 ¹ / ₂ | 3/4 | 1/2 | 4.50 | 8 ³ / ₈ | 1/2 | 21 ⁷ / ₈ | 23 ³ / ₈ | | | | | | | 97 | 94 | 136 | 207 | |
| 11 | | | | | | | | | 24 ⁵ / ₁₆ | 26 ⁵ / ₁₆ | C4 x 5.4 | 36 | 1 ¹ / ₄ | 3 | | | 114 | 108 | 150 | 241 | |
| 12 | | | | | | | | | 19 ¹⁵ / ₁₆ | 21 ¹⁵ / ₁₆ | | | | | | | 96 | 95 | 134 | 209 | |
| 13 | | | | | | | | | 21 ³ / ₁₆ | 23 ³ / ₁₆ | | | | | | | 108 | 104 | 144 | 223 | |
| 14 | 13 ¹ / ₄ | 10 ¹⁵ / ₁₆ | 16 ¹ / ₂ | 3/4 | 1/2 | 4.50 | 8 ³ / ₈ | 1/2 | 26 ⁷ / ₁₆ | 28 ⁷ / ₁₆ | C5 x 6.7 | 36 | 1 ¹ / ₂ | 4 | | | 144 | 139 | 181 | 305 | |
| 15 | | | | | | 4.50 | | | 26 ³ / ₁₆ | 28 ³ / ₁₆ | | 33 | | | | | 153 | 147 | 188 | 323 | |
| 16 | 13 ¹ / ₄ | 10 ¹⁵ / ₁₆ | 16 ¹ / ₂ | 3/4 | 1/2 | 2.00 | 8 ³ / ₈ | 1/2 | 26 ⁹ / ₁₆ | 28 ⁹ / ₁₆ | C6 x 10.5 | 36 | 1 ¹ / ₂ | 4 | | | 172 | 163 | 201 | 368 | |
| 17 | | | | | | | | | 31 ⁷ / ₈ | 33 ⁷ / ₈ | C8 x 11.5 | 36 | 2 ¹ / ₈ | 4 | | | 218 | 202 | 241 | 462 | |
| 18 | | | | | | | | | 36 | 38 | | | | | | | 273 | 247 | 287 | 572 | |
| 19 | 17 ¹ / ₄ | 15 ³ / ₄ | 22 | 3/4 | 5/8 | 2.50 | 12 ¹ / ₂ | 1/2 | 35 ⁵ / ₁₆ | 37 ⁵ / ₁₆ | C12 x 20.7 | 42 | 2 ³ / ₈ | 4 | | | 512 | 477 | 550 | 1,056 | |
| 20 | | | | | | | | | 39 ¹³ / ₁₆ | 41 ¹³ / ₁₆ | | 40 | | | | | 600 | 548 | 624 | 1,231 | |
| 21 | | | | | | | | | 46 ⁵ / ₁₆ | 48 ⁵ / ₁₆ | | | | | | | 802 | 723 | 807 | 1,633 | |
| 22 | 17 ¹ / ₄ | 15 ³ / ₄ | 22 | 3/4 | 5/8 | 3.00 | 12 ¹ / ₂ | 1/2 | 51 ⁷ / ₈ | 53 ⁷ / ₈ | C15 x 33.9 | 48 | 3 ³ / ₈ | 4 | | | 940 | 845 | 872 | 1,965 | |
| | | | | | | | | | 64 | 66 | | | 3 ⁵ / ₈ | 4 | | | 1,240 | 1,140 | 1,184 | 2,566 | |

■ Hanger take-out or installed height. With pipe movement up, cold to hot, installed height should be the mid point between the minimum and maximum "X" dimension, plus thickness of load flange. With pipe movement down, cold to hot installed height should be mid-point between the minimum and maximum "X" dimension, plus the amount of vertical movement and load flange thickness. (Type F only).
 * Weight based on 24" center-to-center dimension. See page 146 for Type F roller and guided load column information.
 Attachment rods and nuts not furnished.



SPRING HANGERS

Triple Spring, Triple Spring-GR

Triple Type A

ROD SIZE "A"
LOAD INDICATOR
LOAD SCALE & NAME PLATE
MIN. = Z
MAX. = Z + 10 1/2"
ROD SIZE "A"

Triple Type B

LOAD INDICATOR
LOAD SCALE & NAME PLATE
MIN. = Z
MAX. = Z + 10 1/2"
ROD SIZE "A"

Triple Type C

LOAD INDICATOR
LOAD SCALE & NAME PLATE
MIN. = Z
MAX. = Z + 10 1/2"
ROD SIZE "A"

Triple Type D

ROD SIZE "A"
LOAD INDICATOR
LOAD SCALE & NAME PLATE
MIN. = Z
MAX. = Z + 10 1/2"
ROD SIZE "A"

Triple Type E

LOAD INDICATOR
LOAD SCALE & NAME PLATE
ROD SIZE "A"
MUST BE PINNED OR TACKED BY CUSTOMER

Triple Type F

LOAD FLANGE
LOAD INDICATOR
LOAD SCALE & NAME PLATE
FOUR SLOTS

Triple Type G

C-C ROD DIMENSION AS SPECIFIED
NOT TO EXCEED C-C MAX
ROD SIZE "A"
MIN = Z
MAX = Z + 3 1/2"
LOAD INDICATOR

MUST BE PINNED BY CUSTOMER
R.H. TH'D'S
ROD SIZE "A"
10 1/2"
COUPLING POSITION AT MAXIMUM LOAD

The Anvil Variable Triple Spring Hanger embodies all of the Fig. B-268 features and is designed to the same exacting specifications. Each basic unit consists of three springs arranged in series within a single casing. A centering guide is provided to assure the permanent alignment of the spring assembly. This hanger is offered in the seven basic types as shown here. Refer to Fig. 77SD for special type F slide base design.

The load table and instructions for sizing and ordering this hanger may be found on page 138 through 141.

Triple Spring, Triple Spring-GR

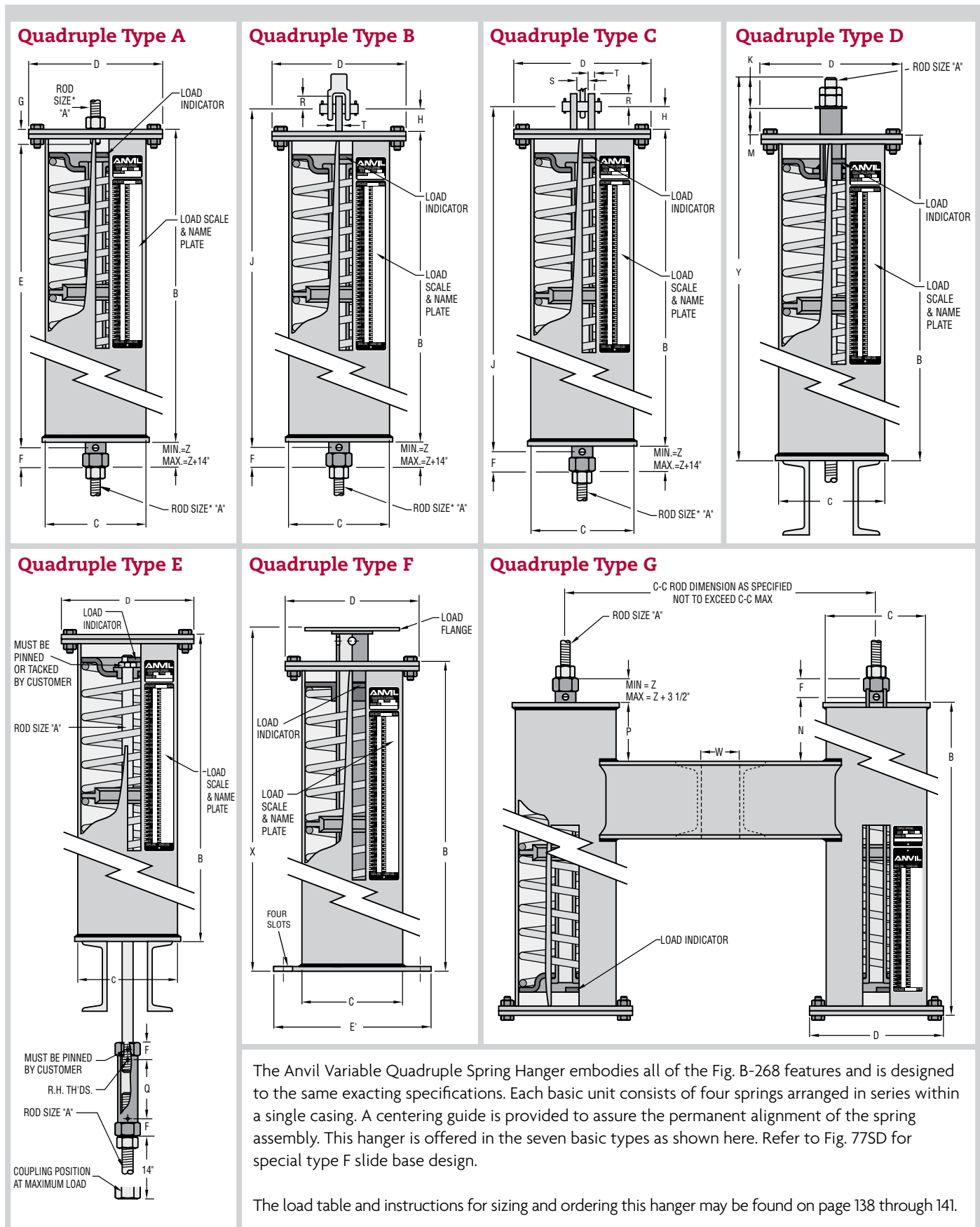
| TRIPLE SPRING: DIMENSIONS (IN) | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------|--------------------|-----------------|---------------|--------------|--------|------------------------|-----------|-----------|---------|-------|----------------|--------|--------|---------------------|----------|--------|
| Hanger Size | General Dimensions | | | | | | Rod Take Out For Types | | | | | Type A | Type D | | Type F | | Type G |
| | Rod Size A | R.H. Thread Length | Casing Length B | Casing Dia. C | Min Thread F | Z | A | B & C | D | E | G | Depth Thread G | K | M | Loaded Length Dim X | | P |
| | | | | | | | E | J | Y | Q | N | | | | Min | Max | |
| 0 | 1/2 | 12 | 19 1/8 | 4 | 1 5/16 | 1 5/16 | 19 1/8 | 20 5/8 | 28 1/8 | 11 1/8 | 1 1/2 | 7/16 | 1 1/4 | 7 3/4 | 20 15/16 | 22 15/16 | 1 1/2 |
| 1 | | | 21 3/4 | | | | 23 3/4 | 30 3/4 | 23 9/16 | | | | | | 25 9/16 | | |
| 2 | | | 24 | | | | 25 1/2 | 33 | 25 13/16 | | | | | | 27 9/16 | | |
| 3 | 1/2 | 12 | 21 3/16 | 5 9/16 | 1 5/16 | 1 5/16 | 21 3/16 | 22 1 1/16 | 30 3/16 | 11 1/8 | 2 | 7/16 | 1 1/4 | 7 3/4 | 23 | 25 | 2 |
| 4 | | | 23 1/16 | | | | 24 9/16 | 32 1/16 | 24 7/8 | | | | | | 26 7/8 | | |
| 5 | | | 25 1/8 | | | | 26 5/8 | 34 1/8 | 26 15/16 | | | | | | 28 15/16 | | |
| 6 | 5/8 | 12 | 25 | 6 5/8 | 1 5/16 | 1 5/16 | 25 | 26 1/2 | 34 3/16 | 11 1/8 | 2 | 5/8 | 1 1/2 | 7 1/16 | 26 15/16 | 28 15/16 | 2 |
| 7 | | | 27 15/16 | | | | 29 1/16 | 37 1/8 | 29 7/8 | | | | | | 31 7/8 | | |
| 8 | | | 29 5/16 | | | | 30 13/16 | 38 1/2 | 31 1/4 | | | | | | 33 1/4 | | |
| 9 | 3/4 | 13 | 29 9/16 | 8 5/8 | 1 1/4 | 1 1/4 | 29 9/16 | 31 1/16 | 38 7/8 | 11 1/2 | 3 | 1 | 1 3/4 | 7 9/16 | 31 5/8 | 33 5/8 | 3 |
| 10 | | | 33 1/4 | | | | 34 3/4 | 42 9/16 | 35 5/16 | | | | | | 37 5/16 | | |
| 11 | | | 26 11/16 | | | | 28 3/16 | 36 | 28 3/4 | | | | | | 30 3/4 | | |
| 12 | 1 | 13 | 28 9/16 | 8 5/8 | 1 1/4 | 1 1/4 | 28 9/16 | 30 9/16 | 38 3/8 | 11 1/2 | 3 7/8 | 1 | 2 1/4 | 7 9/16 | 30 5/8 | 32 5/8 | 4 |
| 13 | | | 36 1/4 | | | | 38 1/4 | 46 1/16 | 38 5/16 | | | | | | 40 5/16 | | |
| 14 | | | 36 3/4 | | | | 39 3/8 | 47 5/16 | 38 13/16 | | | | | | 40 13/16 | | |
| 15 | 1 1/4 | 14 | 36 5/8 | 8 5/8 | 1 3/8 | 1 1/4 | 36 5/8 | 39 1/2 | 47 3/16 | 10 9/16 | 4 | 1 3/8 | 3 | 7 9/16 | 38 11/16 | 40 11/16 | 4 |
| 16 | 44 1/16 | | 47 1/16 | | | | 54 5/8 | 46 1/8 | 48 1/8 | | | | | | | | |
| 17 | 50 1/4 | | 53 1/4 | | | | 61 5/16 | 52 5/16 | 54 5/16 | | | | | | | | |
| 18 | 2 | 16 | 49 7/8 | 12 3/4 | 2 3/4 | 2 3/4 | 49 7/8 | 53 7/8 | 60 1 1/16 | 10 7/8 | 4 | 2 1/4 | 4 9/16 | 7 | 51 5/16 | 53 5/16 | 4 |
| 19 | 55 7/8 | | 60 3/8 | | | | 67 7/8 | 58 1/16 | 60 1/16 | | | | | | | | |
| 20 | 65 5/8 | | 70 7/8 | | | | 78 3/16 | 67 13/16 | 69 13/16 | | | | | | | | |
| 21 | 2 3/4 | 17 | 73 5/16 | 12 3/4 | 3 5/8 | 3 5/8 | 73 5/16 | 76 13/16 | 87 7/8 | 11 | 4 | 2 3/4 | 6 1/4 | 9 5/16 | 75 7/16 | 77 7/16 | 4 |
| 22 | 3 | | 91 1/2 | | | | 95 1/2 | 106 7/16 | 11 1/2 | 3 | | | | | 6 5/8 | 93 5/8 | |

Attachment rods and nuts not furnished.
See page 146 for Type F roller and guided load column information.

See Fig. B-268 for dimensions not listed

SPRING HANGERS

Quadruple Spring, Quadruple Spring-CR



Quadruple Spring, Quadruple Spring-CR

| QUADRUPLE SPRING: DIMENSIONS (IN) | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--------------------|--------------------|-----------------|---------------|--------------|--------|------------------------|----------|-----------|--------|-------|----------------|----------|----------|---------------------|----------|--------|--|
| Hanger Size | General Dimensions | | | | | | Rod Take Out For Types | | | | | Type A | Type D | | Type F | | Type G | |
| | Rod Size A | R.H. Thread Length | Casing Length B | Casing Dia. C | Min Thread F | Z | A | B & C | D | E | G | Depth Thread G | K | M | Loaded Length Dim X | | P | |
| | | | | | | | E | J | Y | Q | N | | | | Min | Max | | |
| 0 | 1/2 | 16 | 25 1/8 | 4 | 1 5/16 | 1 5/16 | 25 1/8 | 26 5/8 | 37 1/8 | 15 1/8 | 1 1/2 | 7/16 | 1 1/4 | 7 3/4 | 26 15/16 | 28 15/16 | 1 1/2 | |
| 1 | | | 28 5/8 | | | | 30 1/8 | 40 5/8 | 30 7/16 | | | | | | 32 7/16 | | | |
| 2 | | | 31 1/8 | | | | 33 1/8 | 43 3/8 | 33 3/16 | | | | | | 35 7/16 | | | |
| 3 | 1/2 | 16 | 27 7/8 | 5 9/16 | 1 5/16 | 1 5/16 | 27 7/8 | 29 3/8 | 39 7/8 | 15 1/8 | 2 | 7/16 | 1 1/4 | 7 3/4 | 29 11/16 | 31 11/16 | 2 | |
| 4 | | | 30 3/8 | | | | 31 7/8 | 42 3/8 | 32 3/16 | | | | | | 34 3/16 | | | |
| 5 | | | 33 3/8 | | | | 34 5/8 | 45 1/8 | 34 15/16 | | | | | | 36 15/16 | | | |
| 6 | 5/8 | 16 | 32 15/16 | 6 5/8 | 1 5/16 | 1 5/16 | 32 15/16 | 34 7/16 | 45 1/8 | 15 1/8 | 2 | 5/8 | 1 1/2 | 7 9/16 | 34 7/8 | 36 7/8 | 2 | |
| 7 | | | 36 7/8 | | | | 38 3/8 | 49 1/16 | 38 13/16 | | | | | | 40 13/16 | | | |
| 8 | | | 38 11/16 | | | | 40 3/16 | 50 7/8 | 40 5/8 | | | | | | 42 5/8 | | | |
| 9 | 3/4 | 16 | 38 13/16 | 8 5/8 | 1 1/4 | 1 1/4 | 38 13/16 | 40 5/16 | 51 1/8 | 15 1/2 | 3 | 1 | 1 3/4 | 7 1/16 | 40 7/8 | 42 7/8 | 3 | |
| 10 | | | 43 3/4 | | | | 45 1/4 | 56 1/16 | 45 13/16 | | | | | | 47 13/16 | | | |
| 11 | | 17 | 35 | | | | 35 | 36 1/2 | 47 5/16 | | | | 37 1/16 | 39 1/16 | | | | |
| 12 | 1 | 17 | 37 1/2 | 8 5/8 | 1 1/4 | 1 1/4 | 37 1/2 | 39 1/2 | 50 5/16 | 15 1/2 | 3 7/8 | 1 | 2 1/4 | 7 1/16 | 39 9/16 | 41 9/16 | 4 | |
| 13 | | | 47 3/4 | | | | 49 3/4 | 60 9/16 | 49 13/16 | | | | | | 51 13/16 | | | |
| 14 | | | 1 1/4 | | | | 48 3/8 | 1 3/8 | 48 3/8 | | | | 51 1/4 | 61 15/16 | 50 7/16 | 52 7/16 | | |
| 15 | 1 1/4 | 18 | 48 1/8 | 8 5/8 | 1 3/8 | 1 1/4 | 48 1/8 | 51 | 61 15/16 | 15 1/2 | 4 | 1 3/8 | 3 | 7 1/16 | 50 3/16 | 52 3/16 | 4 | |
| 16 | 1 1/2 | | 57 7/8 | | | | 60 7/8 | 71 1/16 | 59 15/16 | | | | | | 61 15/16 | | | |
| 17 | 1 3/4 | | 19 | | | | 66 1/8 | 69 1/8 | 80 3/16 | | | | 15 9/16 | 68 3/16 | 70 3/16 | | | |
| 18 | 2 | 19 | 64 1/8 | 12 3/4 | 2 3/4 | 2 3/4 | 64 1/8 | 68 1/8 | 78 11/16 | 14 7/8 | 4 | 2 1/4 | 4 9/16 | 7 | 66 5/16 | 68 5/16 | 4 | |
| 19 | 2 1/4 | | 73 1/8 | | | | 77 5/8 | 88 1/8 | 15 1/16 | | | | | | 75 5/16 | 77 5/16 | | |
| 20 | 2 1/2 | | 20 | | | | 86 1/8 | 90 5/8 | 101 11/16 | | | | 15 15/16 | 88 5/16 | 90 5/16 | | | |
| 21 | 2 3/4 | 21 | 95 7/8 | 12 3/4 | 3 5/8 | 3 5/8 | 95 7/8 | 99 3/8 | 113 3/16 | 15 | 4 | 2 3/4 | 6 1/4 | 9 5/16 | 98 | 100 | 4 | |
| 22 | 3 | | 120 7/8 | | | | 124 1/8 | 138 7/16 | 15 1/2 | | | | | | 122 1/4 | 124 1/4 | | |

Attachment rods and nuts not furnished.
See page 146 for Type F roller and guided load column information.

See Fig. B-268 for dimensions not listed